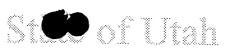


Michael O. Leavitt Governor Dianne R. Nielson, Ph.D. Executive Director Don A. Ostler, P.E.



DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

288 North 1460 West P.O. Box 144870 Salt Lake City, Utah 84114-4870 (801) 538-6146 (801) 538-6016 Fax (801) 536-4414 T.D.D. www.deq.state.ut.us Web

April 6, 1998

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Executive Secretary

David J. Cline Manager, Water Resources Kennecott Utah Copper Corp. P. O. Box 6001 Magna, Utah 84044-6001

Dear Mr. Cline:

Subject:

Kennecott Nanofiltration Pilot Plant, UPDES Permit No. UT0000051

We have reviewed the proposed Kennecott nanofiltration pilot plant water quality. The system is to produce a 200 gpm permeate stream from the leach water. Table 1 indicates that the permeate is to have total dissolved solids of less than 4000 mg/L and reduce copper and zinc concentrations to less than 5 mg/L. This permeate will then be used in the Copperton concentrator.

Your proposal is hereby approved as a minor modification of the UPDES permit flow diagram provided:

- 1. Kennecott complies with all permit limitations.
- 2. The permeate is monitored at least weekly to ensure that it is producing the water quality comparable with Table 1.
- 3. The aluminum and selenium concentrations of the tailings discharge are monitored at the same frequency as the other metals specified in your UPDES permit.

The data showing compliance with provisions 2 and 3 above is to be submitted monthly along with your UPDES permit discharge monitoring report.



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If you have any questions regarding the letter please contact Steven McNeal at 538-6075.

Sincerely,

Utah Water Quality Board

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Don A. Ostler, P.E.

Executive Secretary

DAO:SRM:st

cc: Terry Sadler, Salt Lake City/County Health Dept.

Wayne Hedberg, Division of Oil, Gas & Mining

Curt McCormick, EPA Region VIII

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